| Ref<br># | Hits | Search Query                                                                             | DBs                                                            | Def <b>a</b> ult<br>Operator | Plurals | Time Stamp       |
|----------|------|------------------------------------------------------------------------------------------|----------------------------------------------------------------|------------------------------|---------|------------------|
| S38      | 0    | jiang.inv. and liu.inv. and layer-by-layer                                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ                          | ON      | 2008/11/10 10:27 |
| S39      | 79   | liu.inv. and layer-by-layer                                                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ                          | ON      | 2008/11/10 10:28 |
| S40      | 5555 | electrostatic and (layer-by-layer or<br>self-assembl\$4 or self assembl\$4)              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ                          | ON      | 2008/11/10 10:29 |
| S41      | 1138 | electrostatic same (layer-by-layer or<br>self-assembl\$4 or self assembl\$4)             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ                          | ON      | 2008/11/10 10:30 |
| S42      | 614  | electrostatic with (layer-by-layer or<br>self-assembl\$4 or self assembl\$4)             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ                          | ON      | 2008/11/10 10:30 |
| S43      | 251  | S42 and (@ad<"20020722" or<br>@pd<"20020722" or @rlad<"20020722" or<br>@prad<"20020722") | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ                          | ON      | 2008/11/10 10:31 |
| S44      | 169  | S43 and (revers\$4 or releas\$4)                                                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ                          | ON      | 2008/11/10 10:32 |
| S45      | 5    | "624993".ap.                                                                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ                          | ON      | 2008/11/10 10:35 |

| S46  | 1   | S45 and charge balance                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/11/10 10:35 |
|------|-----|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|-----|----|------------------|
| S47  | 0   | S44 and charge balance                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/11/10 11:14 |
| S48  | 3   | S44 and (charge with balance)                                                                                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/11/10 11:15 |
| S49  | 1   | S45 and hydrogen bond\$5                                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/11/10 11:57 |
| S50  | 25  | granick.inv.                                                                                                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/11/10 15:28 |
| S51  | 99  | lysozyme and (polyelectrolyte or polyacid<br>or polybase) and (multi-layer or multilayer<br>or layer-by-layer)                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/11/13 19:02 |
| S52  | 48  | S51 and (@ad<"20020722" or<br>@pd<"20020722" or @rlad<"20020722" or<br>@prad<"20020722")                                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/11/13 19:02 |
| \$53 | 222 | (immunoglobulin or igg) and<br>(polyelectrolyte or polyacid or polybase)<br>and (multi-layer or multilayer or<br>layer-by-layer) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/11/13 19:04 |

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| S54 | 9   | (immunoglobulin or igg) same<br>(polyelectrolyte or polyacid or polybase)<br>same (multi-layer or multilayer or<br>layer-by-layer) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/11/13 19:04 |
|-----|-----|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|-----|----|------------------|
| S55 | 120 | bioactive same polyelectrolyte                                                                                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/11/14 22:16 |
| S56 | 96  | S55 and (multi-layer or multilayer or layer)                                                                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/11/14 22:19 |
| S57 | 37  | S56 and (@ad<"20020722" or<br>@pd<"20020722" or @rlad<"20020722" or<br>@prad<"20020722")                                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/11/14 22:20 |
| S58 | 1   | "624993".ap. and bioactive                                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/11/14 23:23 |
| S59 | 1   | "624993".ap. and embedded                                                                                                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/11/14 23:43 |
| S60 | 1   | "624993".ap. and (macromolecule with polymer)                                                                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/11/14 23:43 |
| S61 | 2   | us-20040213834-\$.did.                                                                                                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/11/15 20:48 |

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| •  | S62 | 2 | us-20020061326-\$.did. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON  | 2008/11/15 20:49 |
|----|-----|---|------------------------|----------------------------------------------------------------|-----|-----|------------------|
| \$ | S63 | 1 | ("7094256").PN.        | USPAT;<br>USOCR                                                | OR  | OFF | 2008/11/15 21:06 |

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